## **City of Detroit**

## Water and Sewerage Department Intradepartmental Memo

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Suspense File

**To:** (b)(6), (b) P.E. Date: September 20, 2006

Deputy Director

For Contracting Officer

**Through:** (b)(6), (b)(7)(C), P.E.

Assistant Director - Engineering Services

From: (b)(6), (b)(7)(C), P.E.

Head Engineer, Field Engineering

Re: DWSD Contract No. PC-747

**Installation of In-System Storage Devices** 

Change Authorization Number 9

Attached herewith for your signature and approval, is Change Authorization Number 9 regarding the above captioned project. This change authorization encompasses the migration of existing security equipment to the new security network and migration of fire alarm signals to the Security Control Center fire alarm receiver and Lenel Security equipment.

Security and fire alarm work is proposed at the following Wastewater Treatment Plant buildings: New Administration Building (NAB), Old Administration Building, Central Off Load Facility, Sludge Pumping Station Number Three (SPS3), and the Boiler House. In addition to the above WWTP facilities, the work shall provide a full migration of fire alarm signals from the Central Services Facility (CSF), the Eastside Customer Service Center, and the Westside Customer Service Center. The work includes the following items:

- Field work necessary to develop drawings showing locations of panels, wiring, sizing, and equipment.
- Provision of the full migration of signals from the above facilities shall consist of separate alarm, trouble and supervisory signals to the Lenel Security System and fire alarm signals, via AT&T 1-Mb lines, to the Radionics Receiver located at the Main Office Building (MOB). Migration of specified Lenel equipment at the Wastewater Treatment Plant shall include all the programming, fiber, cables, raceways, media converters, and all necessary equipment for a complete working dedicated Security system. All testing, commissioning, and verification of signals shall be included.
- Provision of detailed design drawings and programming of Fire Alarm and Security Signals from WWTP to the Water Board Building (WBB). All record drawings shall be on size "D" (24"x36") paper; all as-built drawings and closeout documentation shall be submitted within two weeks of the completion of work.
- Any additional phone lines required for the installation work.

A projected duration of fourteen weeks is required to complete the work described above. Sufficient funds in the amount of \$2,286,254.82 are available in the Contract Provisional Allowance to accommodate this change. Therefore, your signature on Change Authorization Number 9 in the amount of \$393,855.00 and one hundred days extension in Contract time is requested.

If you have any questions, please call.

(b)(6), (b) (7)(C) , P.E.

Head Engineer, Field Engineering

(b)(6), (b) (7)(C)

Attachments

## CONSTRUCTION CONTRACT CHANGE AUTHORIZATION

			File Number
1. Contract Number PC-747	6. Bid Price Substantial and Final Completion Dates \$26,468,830.00	1SEP04 1DEC04	15. SPO No. 2584533
2. Contract Title Installation of In-System Storage Devices	7. Additions to Bid Price By CO \$0.00	days 0	16. CPO No. 2584529
	8. Subtractions to Bid Price By CO \$0.00	days 0	17. DRMS Project No. N/A
2B. Designer Applied Science, Inc.	9. Current Contract Amount \$26,468,830.00	Substantial and Final Completion Dates 1SEP04 1DEC04	18. Federal Grant N/A
3. Change Authorization No. 9	10. Original Contingency Amount \$3,500,000.00		19. State Permit N/A
4. Change Auth. Amount \$393,855.00 @ 100 Days	11. Additions to Contingency \$0.00	12. Subtractions from Contingency \$1,149,862.18	20. Supplier Number N/A
5. Date Form Prepared September 15, 2006	13. Balance Remaining in Contingency (excluding this change) \$2,286,254.82		21. Employer Identification No. 38-2297532
	14. Engr. Proj. Mgr. (b)(6), (b) (7)(C)	Telephone (313)833-8562	Ref.

Contractor: Please fill in 24 below - all other items are to be filled in by DWSD.

Contractor name and address Posen Construction

2111 Woodward Avenue, Suite 507

Detroit, MI 48201 (313)964-1344

22. Description of Change – Use back of form or additional sheets if necessary, give drawing nos., spec citations, ref nos. and value (indicate MWBE participation if required). Modification of the Security and Fire Alarm Systems at select Wastewater Treatment Plant buildings and at the Eastside and Westside Customer Service Centers, and the Central Services Facility. The existing Security Systems at the Wastewater Treatment Plant will be transferred form the business network to a new dedicated security network. The Fire Alarm Systems will report to the Security Control Center fire alarm receiver and to Lenel equipment. The work includes all incidental fiber, cables, conduit, electronic equipment, programming of new and existing equipment, and installation of additional phone lines necessary to complete the work. All record documentation and testing/commissioning of the new system is included in this cost of the work.

Note: This Change Authorization fully compensates the Contractor for any and all direct and indirect costs associated with change in work, including any and all costs for delay, acceleration, job overhead, main office overhead and impact. This change authorization contains the entire agreement and represents the understanding of the parties with respect to the subject matter contained in this Change Authorization and all prior negotiations and agreements are merged

## 23. Reason for Change

The RFP and scope of work for DWS-844A did not provide for the modification of the existing fire alarm and security systems at the above captioned facilities. Migration of the security system from the business network complies with a recommendation to the EPA made in the Vulnerability Assessment for Fresh Water Report. The security system will no longer be vulnerable to the computer viruses that hamper the operation of the business network and will have more bandwidth. Migration of the fire alarm equipment to a fire alarm receiver, owned and operated by DWSD, will save leasing costs to Central Offices and will have the added benefit of reporting alarms to the Lenel Security System. **This is an Owner Requested change.** 

24. CONTRACTOR APPROVAL NOTICE TO CONTRACTOR	25. APPROVAL OF DWSD HEAD ENGINEER	
THIS CHANGE AUTHORIZATION IS EFFECTIVE	DATE:	
ONLY WHEN BOX 26 IS COMPLETED	26. APPROVAL OF ASS'T DIRECTOR, ENGINEERING SERVICES	
By	DATE:	
(Signature)	27. APPROVAL – DWSD DIRECTOR OR DEPUTY	
	DATE:	
(Title) (Date)		